# Green
Retrieval Practice - Place Value

1. Warm socks? Complete the table below to determine how cold it will get at the site for each day of your stay. You will need a pair of socks for any temperatures colder than 0˚C.
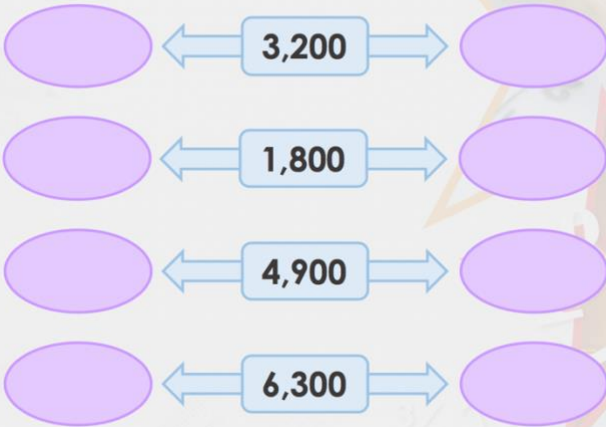
Daily High	Temperature expected to drop	Daily Low
14˚C	13˚C	
12˚C	14˚C	
15˚C	14˚C	
11˚C	15˚C	
10˚C	12˚C	
11˚C	13˚C	
9˚C	10˚C	

How many pairs of socks should you bring?

What is the temperature on the thermometer?
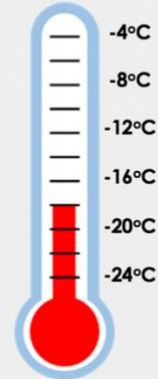
— -4ºC
— -8ºC
— -12ºC
— -16ºC
— -20ºC
— -24ºC

Which multiples of 1,000 do these numbers sit between?

3,200

1,800

4,900

6,300

Which multiples of 10 are these numbers between?

24

47

92

65
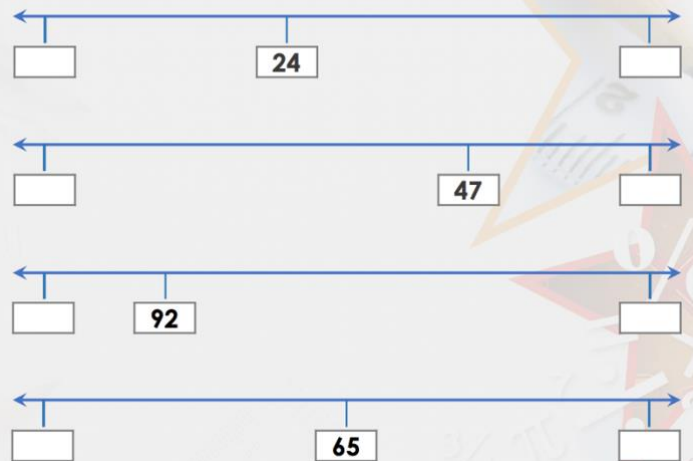
Numerals		Roman Numerals		Words
3	+		=	eight
	-	X	=	five
12	+		=	sixteen
20	-	XIV	=	

3. Helen and Ben are discussing Roman numerals.
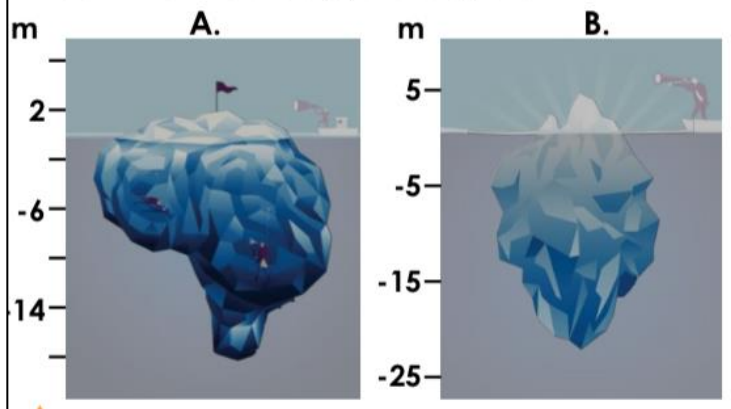
Helen: I think that IV = 6 because 1 + 5 = 6.

Ben: I think that IV = 4 because 5 – 1 = 4.

Who is correct? Explain your answer.

Yellow
Retrieval Practice - Place Value

12a. Which iceberg is deeper?

m | A. | m | B.

5—
2—
-5—
-6—
-15—
14—
-25—

Tick the numbers below that round up to 5,000.

A. 5,924 ☐

B. (1,000) (1,000) (100) (100) (100)
    (1,000) (1,000) (100) (100) (1) ☐

C. Four thousand, eight hundred and sixteen ☐

Circle the numbers that round to 80.

ninety-four	83	68
seventy-five	179	78
85	65	eight-two
seventy-nine	81	181

Sort these numbers into the table below.

217   231   225
    223   219   233

Rounds to 220	Rounds to 230

Complete the calculations in the table below

Numerals		Roman Numerals		Words
26	+		=	forty
69	-	LV	=	
24	+		=	eighty-five
	-	XCVIII	=	two

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2. The numbers below are increasing by three each time. Complete the three missing Roman numerals in the number sequence below.

+ 3   + 3   + 3   + 3

[II]   [   ]   [VIII]   [   ]   [   ]
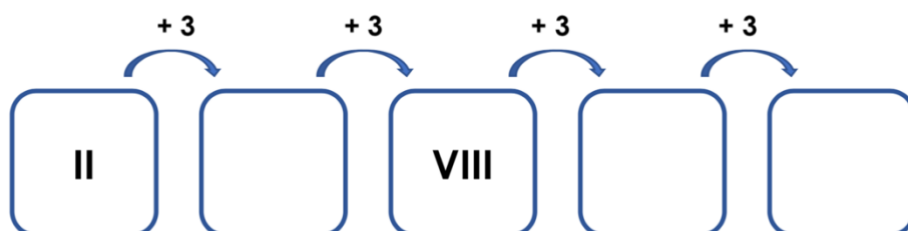
Red
Retrieval Practice - Place Value

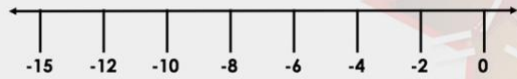**Three children are counting in sequences using number lines.**

Anna

-20 -15 -10 -5 0 5 10 15

Pete

-10 10 30 50

Dot

-15 -12 -10 -8 -6 -4 -2 0

Are they correct? Explain how you know.

Match the descriptions to the numbers.

A. Rounds up to 8,000.

Six thousand, seven hundred and eighteen

B. Rounds down to 7,000.

1,000 1,000 1,000 1,000 100
1,000 1,000 1,000 100 10

C. Rounds up to 7,000

7,815

When rounded to the nearest thousand, which is the odd one out?

A. 2,987

B.

1,000 1,000 100 100 10 10
1,000 100 100 100 10 1

C. Three thousand and fifty-eight

Explain your reasoning.

Complete the table below.

Number	Nearest 10
841	
sixty-three	
654	
five hundred and fifty-five	

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9. Zoe and William are discussing Roman numerals.

Zoe: I think that XCIV = 116 because 10 + 100 + 1 + 5 = 116.

William: I think that XCIV = 94 because 100 – 10 = 90 and 5 – 1 = 4.

Who is correct? Explain your answer.

Complete the calculations in the table below

Numerals		Roman Numerals		Roman Numerals		Words
3	+		+	IX	=	fifty-six
	+	XCVI	-	XXIV	=	seventy-six
75	+	XIV	-		=	twenty-three
100	-	XLIX	-	XLV	=	

Green Answers
Retrieval Practice - Place Value

1.

Daily High	Temperature expected to drop	Daily Low
14°C	13°C	1°C
12°C	14°C	-2°C
15°C	14°C	1°C
11°C	15°C	-4°C
10°C	12°C	-2°C
11°C	13°C	-2°C
9°C	10°C	-1°C

The professor will need 5 pairs of socks.

What is the temperature on the thermometer?

- -4°C
- -8°C
- -12°C
- -16°C
- -20°C
- -24°C

-18°C
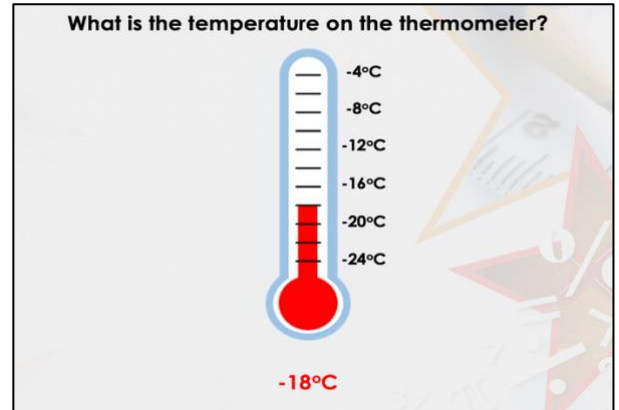
Which multiples of 1,000 do these numbers sit between?

3,000 ⟸ 3,200 ⟹ **4,000**

1,000 ⟸ 1,800 ⟹ **2,000**

4,000 ⟸ 4,900 ⟹ **5,000**

6,000 ⟸ 6,300 ⟹ **7,000**

Which multiples of 10 are these numbers between?

| 20 | | 24 | | 30 |

| 40 | | | 47 | 50 |

| 90 | 92 | | | 100 |

| 60 | | 65 | | 70 |
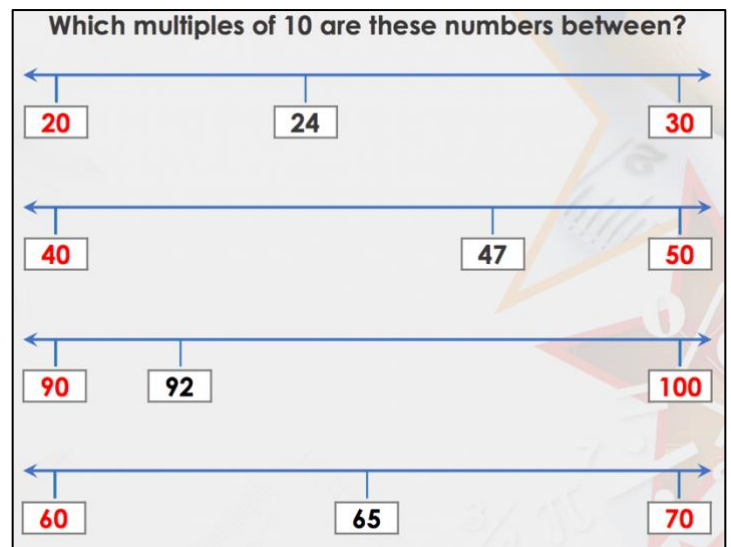
Numerals		Roman Numerals		Words
3	+	V	=	eight
15	-	X	=	five
12	+	IV	=	sixteen
20	-	XIV	=	six

---

3. Helen and Ben are discussing Roman numerals.

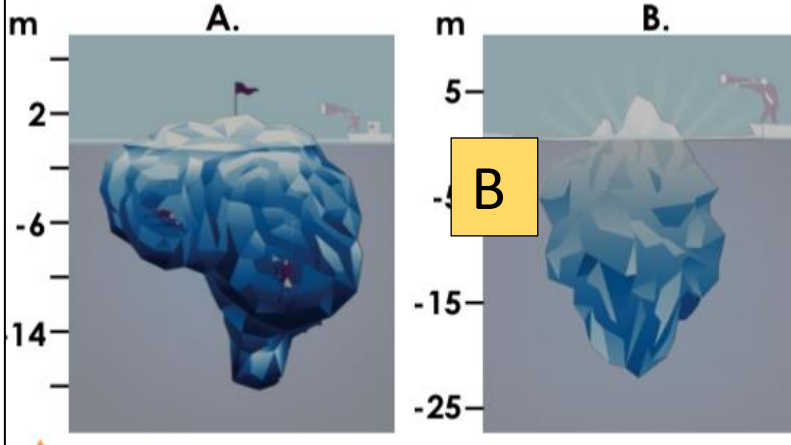Ben is correct because when I is place before V, it represents 1 before 5, which is 4.

Helen

Ben

Who is correct? Explain your answer.

Yellow Answers
Retrieval Practice - Place Value

12a. Which iceberg is deeper?

A.

m
2—
-6—
14—

B.

m
5—
-—
-15—
-25—

B

Tick the numbers below that round up to 5,000.

A. 5,924 ☐

B. 1,000 1,000 100 100 100 / 1,000 1,000 100 100 1 ✓

C. Four thousand, eight hundred and sixteen ✓

Circle the numbers that round to 80.

ninety-four   (83)   68

(seventy-five) 179   (78)

85   65   (eighty-two)

(seventy-nine)   (81)   181

Sort these numbers into the table below.

217   231   225
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Rounds to 220	Rounds to 230
217	231
223	225
219	233

Numerals		Roman Numerals		Words
26	+	XIV	=	forty
69	-	LV	=	fourteen
24	+	LXI	=	eighty-five
100	-	XCVIII	=	two

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2. II; V; VIII; XI; XIV

Three children are counting in sequences using number lines.

Anna: -20 -15 -10 -5 0 5 10 15

Pete: -10 10 30 50

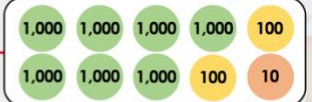Dot: -15 -12 -10 -8 -6 -4 -2 0

Are they correct? Explain how you know.
Dot is incorrect because she did not count back two from -15.

Match the descriptions to the numbers.

A. Rounds up to 8,000.

B. Rounds down to 7,000.

C. Rounds up to 7,000

Six thousand, seven hundred and eighteen

1,000 1,000 1,000 1,000 100
1,000 1,000 1,000 100 10

7,815

When rounded to the nearest thousand, which is the odd one out?

A. 2,987

B.
1,000 1,000 100 100 10 10
1,000 100 100 100 10 1

C. Three thousand and fifty-eight

Explain your reasoning.

B is the odd one out because it rounds to 4,000. A and C round to 3,000.

Complete the table below.

Number	Nearest 10
841	**840**
sixty-three	**sixty**
654	**650**
five hundred and fifty-five	**five hundred and sixty**

Numerals		Roman Numerals		Roman Numerals		Words
3	+	**XLIV**	+	IX	=	fifty-six
4	+	XCVI	-	XXIV	=	seventy-six
75	+	XIV	-	**LXVI**	=	twenty-three
100	-	XLIX	-	XLV	=	**six**

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9. Zoe and William are discussing Roman numerals.

Zoe: I think that... J = 118.

William: I think that... = 94 ause 10 = 90 and 1 = 4.

William is correct because the X before the C mean 100-10 and the I before the V means 5-1.

Who is correct? Explain your answer.